

Diatom Flora of the Low Countries

***Sellaphora pseudoventralis* (Hustedt) C.E. Wetzel, Ector, Van de Vijver, Compère et D.G. Mann 2015**

Basionym : *Navicula pseudoventralis* Hustedt 1953

Morphology

Valves linear-elliptical with clearly inflated central part. Apices broadly rounded, protracted, subcapitate somewhat flat. Striae radiate, less radiate near the apices. Axial area very narrow, linear. Central area variable, rather small, bordered by several shortened striae.

Morphometrics

Source	Length (µm)	Width (µm)	Striae (in 10 µm)	Areolae (in 10 µm)
Own data (n=20)	7-15	4-5	20	
Lange-Bertalot et al. 2017	8-15	4-5	18-20	

Related species

Sellaphora elorantana (somewhat larger central area, less protracted apices, slightly lower valve width, less inflated central part); *Navicula modica* (central area very small, due to irregularly shortened striae, head poles less broad)

Distribution

In lakes and rivers in Europe and Nord America. Lakes (Kolkven) and small rivers in the Netherlands and Flanders.

Ecology

Alkaliphilic, oligo-mesotrophic, unpolluted waters with variable conductivity.

Ecological values

Indicator values (Van Dam et al. 1994)

R	H	N	O	S	T	M
4	2	1	1	1	2	3

IPS

(Cemagref 1982)

IPS-S	IPS-V
4	1

Rott et al.1997, 1999

Rott SI s	Rott SI v	Rott TI s	Rott TI v

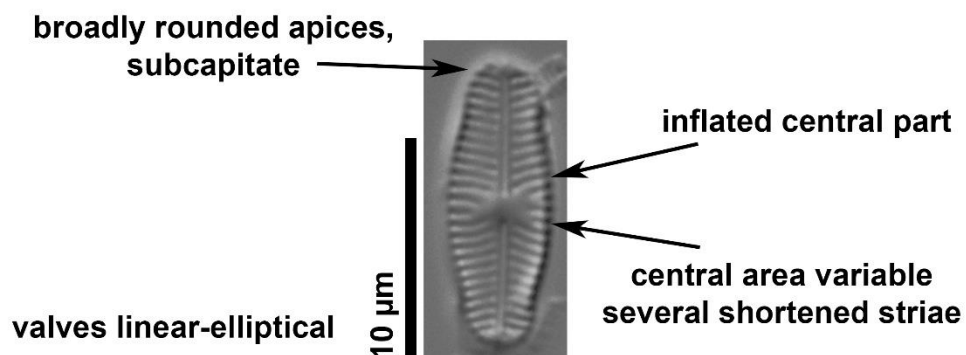
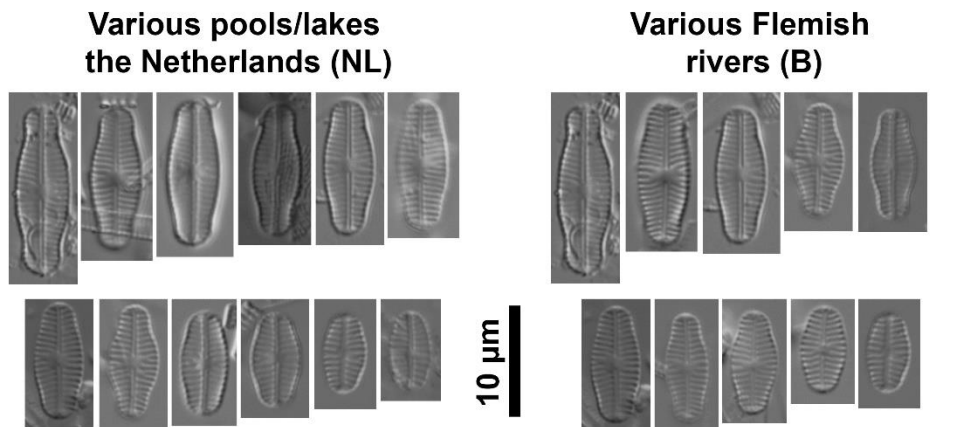
TDI

(Kelly & Whitton 1995)

TI-S	TI-V
4	1

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Remarks



References:

Lange-Bertalot, H., G. Hofmann, M. Werum & M. Cantonati (2017) Freshwater Benthic Diatoms of Central Europe p. 547, figs p. 710

Citation:

Van de Vijver, B. & A. Mertens (2017) *Sellaphora pseudoventralis*. In Diatom Flora of the Low Countries. NVKD. Retrieved from <http://www.nvkd-diatom.nl/species>